

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A swash plate type variable capacity compressor to be used for a supercritical refrigerating cycle comprising:

a swash plate which is disposed rotatably,

a piston which is coupled with the swash plate and a cylinder which holds the piston movably,

a suction valve provided on the cylinder for sucking a refrigerant of the supercritical refrigerating cycle and

a discharge valve for discharging the refrigerant, wherein:

the suction valve has flexible valve bodies having flexibility attached to suction ports for sucking the refrigerant, and

the swash plate type variable capacity compressor has valve bodies press-contacted in an elastically deformed state against valve seats of the suction ports to decrease the number of rotations rate of rotation of the swash plate when the refrigerant is started to be compressed, each valve body formed with a curved peripheral portion that:

curves toward a valve seat and is elastically deformed by the valve seat into a flat state by the press-contact; and

is further elastically deformed when the valve body is in a valve-open state.

2. (Original) The swash plate type variable capacity compressor according to claim 1, wherein the valve bodies have deflection of 1 mm or less when the valve bodies are fitted to the suction ports and the valve bodies receive an external force of 1.8 N or less from the valve seats of the suction ports.

3. (Currently Amended) The swash plate type variable capacity compressor according to claim 1, wherein the supercritical refrigerating cycle is a refrigerating cycle for air conditioning of a car interior to be mounted in an automobile, and the swash plate type variable capacity compressor is a clutchless compressor which is coupled with a motor vehicle engine without ~~via~~—a clutch.

4. (Currently Amended) The swash plate type variable capacity compressor according to claim 2, wherein the supercritical refrigerating cycle is a refrigerating cycle for air conditioning of a car interior to be mounted in an automobile, and the swash plate type variable capacity compressor is a clutchless compressor which is coupled with a motor vehicle engine without ~~via~~—a clutch.

5. (New) A compressor, comprising:
a rotatable swash plate;
a suction valve on a cylinder and that draws in a refrigerant in response to motion of a piston in the cylinder;
and

flexible valve bodies respectively corresponding to suction ports of the suction valve, each valve body having a curved peripheral region: that curves toward a suction port; that, when press-contacted, is elastically deformed from a curved state

to a flat state against a valve seat of the suction port; and that is further elastically deformed past the flat state to a deformed curved state in which the curved peripheral region curves away from the valve seat when the suction valve draws in the refrigerant.